

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-23 (Canceled).

Claim 24 (Original): A display device, comprising:

display elements formed in vicinity of intersections of signal lines and scan lines aligned vertically and horizontally;  
sensors provided corresponding to said display elements;  
A/D converters which convert output signals of said sensors into digital signals; and a shift register which converts said digital signals into serial signals and outputs the serial signals,

wherein said shift register has:

a first shift register which converts said digital signal of  $m$  ( $m$  is an integer equal to or more than 2) bits into a first serial signal and outputs the first serial signal;  
a second shift register which converts said digital signal of  $n$  ( $n$  is an integer equal to or more than 2) bits into a second serial signal and outputs the second serial signal; and  
a serial signal selector which selects either of said first or second serial signal and outputs the selected signal.

Claim 25 (Currently Amended): A display device, comprising:

display elements formed in vicinity of intersections of signal lines and scan lines aligned vertically and horizontally on an insulation substrate;  
sensors provided on said insulation substrate, said sensors corresponding to said display elements, each picking up an image;

A/D converters formed on said insulation substrate which ~~converts~~ convert output signals of said sensors into digital signals;

a plurality of shift registers formed on said insulation substrate which ~~converts~~ convert said digital signals into a plurality of first serial signal signals and output [[the]] said first serial signal signals;

a serial signal selector formed on ~~a substrate different from~~ said insulation substrate which selects ~~either~~ one of [[a]] said plurality of first serial signals outputted from said plurality of first shift registers and outputs the selected signal; and

an S/P converter formed on a substrate different from said insulation substrate which converts the output signal of said serial signal into a plurality of second serial signals corresponding to said first serial signals.

Claim 26 (New): A display device, comprising:

display elements formed in vicinity of intersections of signal lines and scan lines aligned vertically and horizontally;

sensors provided corresponding to said display elements, each picking up an image;

A/D converters which convert output signals of said sensors into digital signals; and

a serial output part which converts said digital signals into a serial signal to output the serial signal.

Claim 27 (New): The display device according to claim 26, wherein said serial output part includes:

a first shift register which converts said digital signal of m (m is an integer equal to or more than 2) bits into a first serial signal and outputs the first serial signal;

a second shift register which converts said digital signal of  $n$  ( $n$  is an integer equal to or more than 2) bits into a second serial signal and outputs the second serial signal; and a serial signal selector which selects one of said first or second serial signal and outputs the selected signal.